

Active Recombinant Human CCL13 Protein (75 aa)

Cat. No. CCL13-078C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL13 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	75
Description	CCL13 is a chemoattractant for monocytes and eosinophils, and activates basophils. In addition, it has been reported to be chemotactic for CD4+ and CD8+ T cells, with an activity almost equivalent to that of MCP-3. The bioactivities of CCL13 is most likely mediated by the CC chemokine receptors CCR-2 and CCR-3, both of which have been shown to bind CCL13.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract human monocytes using a concentration range of 10.0-100.0 ng/mL, corresponding to a Specific Activity of 1×10^4 IU/mg.
Molecular Mass	8.6 kDa, a single non-glycosylated polypeptide chain containing 75 amino acids.
AA Sequence	QPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQKAVIFRTKLGKEICADPKEKW VQNYMKHLGRKAHTLKT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1 EU/mg of rHuMCP-4/CCL13 as determined by LAL method.
Purity	>96% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH 7.4, 130mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	CCL13 chemokine (C-C motif) ligand 13 [Homo sapiens]
Official Symbol	CCL13
Synonyms	CCL13; chemokine (C-C motif) ligand 13; SCYA13, small inducible cytokine subfamily A (Cys Cys), member 13; C-C motif chemokine 13; CKb10; MCP 4; MGC17134; NCC 1; SCYL1; CK-beta-10; new CC chemokine 1; small-inducible cytokine A13; monocyte chemotactic protein 4; monocyte chemoattractant protein 4; small inducible cytokine subfamily A (Cys-Cys), member 13; NCC1; MCP-4; NCC-1; SCYA13;

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Gene ID	6357
mRNA Refseq	NM_005408
Protein Refseq	NP_005399
MIM	601391
UniProt ID	Q99616

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